First Hit Fwd Refs

End of Result Set

Generate Collection Print

L3: Entry 2 of 2 File: USPT Jul 25, 2000

DOCUMENT-IDENTIFIER: US 6094649 A
TITLE: Keyword searches of structured databases

Brief Summary Text (33):
If the structured database includes data items organized as records in relations according to a data dictionary, then selection may be accomplished by providing a supplemental data dictionary which identifies the selected records or tables. In this case, the indexing step only indexes records and tables that are identified by the supplemental data dictionary. A data dictionary may also be used to identify selected data items for binary-only relational databases that have no accessible data dictionary and for non-relational databases.

Detailed Description Text (63):
At least initially, implementation may be eased by not supporting RAW or BLOB data types, but support for these and other types is included in alternative embodiments of the invention. Likewise, both textual and relational/structured information stores are becoming better adapted for use with graphical and audible data, such as static images, video clips, and audio files. Terms such as "textual" and "data value" used herein should be understood to include such digital forms of multi-media and audiovisual information.

Freeform Search

Database: US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Term: L2 and (non near relational)

Display: 50 **Documents in Display Format:** FRO **Starting with Number** 1

Generate: ○ **Hit List** ◉ **Hit Count** ○ **Side by Side** ○ **Image**

Search Clear Interrupt

Search History

DATE: Friday, June 11, 2004 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT; PLUR=YES; OP=OR			
L3	L2 and (non near relational)	2	L3
L2	audiovisual	1811	L2
L1	"non-relational " near audiovisual	0	L1

END OF SEARCH HISTORY

L3: Entry 1 of 2 File: USPT Feb 24, 2004

DOCUMENT-IDENTIFIER: US 6697818 B2
TITLE: Methods and apparatus for constructing and implementing a universal extension module for processing objects in a database

Brief Summary Text (23):
Thus, as will be explained in detail herein, the present invention provides an extensible structure for software modules that can be used to construct an object-oriented extension of a relational database. Further, the invention provides a method for automatic synthesis of extender wrappers from existing software modules. Still further, the inventive hierarchical architecture for constructing extension modules provides advanced non-relational query processing capabilities.

Detailed Description Text (2):
As will be explained in detail below, the present invention provides the following: (1) an extensible structure for software modules that can be used to construct an object-oriented extension of a relational database; (2) a method for automatic synthesis of extender wrappers from existing software modules; and (3) a hierarchical architecture for constructing extension modules to provide advanced non-relational query processing capabilities.

Detailed Description Text (17):
The following description goes through the process of defining the audio-visual feature extraction module from the feature extraction base class using data models (such as those defined by the MPEG-7 Audiovisual description scheme 2006). Assuming that S represents the data, and M represents the data model of the features that are being extracted, the base class for the feature extraction can be defined as: F=Extract(S,M): this class extracts the features F based on the data model M from the data set S. Note that this class can be defined recursively, so that features can be extracted from features.

CLAIMS:

11. The system of claim 8, wherein the system provides for constructing one or more extension modules which provide one or more advanced non-relational query processing capabilities.